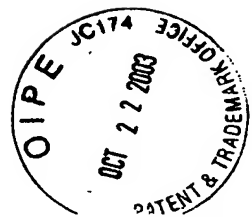


APPENDIX

| SSD Case No. | Assignee | Application No. | Filing Date | Patent No. | Issue Date | Reel/Frame | Recordation Date |
|--------------|-----------------------------|-----------------|-------------|------------|-------------|-------------|------------------|
| 4340100011 | Nokia Telecommunications OY | 09/400,645 | 21-Sep-1999 | | | 010569/0407 | 07-Feb-2000 |
| 5964300032 | Nokia Telecommunications OY | 09/329,807 | 10-Jun-1999 | | | 010142/0669 | 05-Aug-1999 |
| 5964300033 | Nokia Telecommunications OY | 09/401,888 | 23-Sep-1999 | | | 010460/0506 | 17-Dec-1999 |
| 5964300069 | Nokia Telecommunications OY | 09/639,248 | 15-Aug-2000 | | | 8757/0193 | 30-Sep-1997 |
| 5964300070 | Nokia Telecommunications OY | 09/155,231 | 23-Sep-1998 | | | 9825/0060 | 23-Sep-1998 |
| 5964300078 | Nokia Telecommunications OY | 09/371,179 | 10-Aug-1999 | | | 010350/0958 | 28-Oct-1999 |
| 5964300157 | Nokia Telecommunications OY | 09/325,583 | 03-Jun-1999 | | | 010209/0205 | 03-Sep-1999 |
| 5964300158 | Nokia Telecommunications OY | 09/390,526 | 03-Sep-1999 | 6,499,032 | 24-Dec-2002 | 012901/0699 | 14-May-2002 |
| 5964300200 | Nokia Telecommunications OY | 09/389,574 | 03-Sep-1999 | 6,505,206 | 07-Jan-2003 | 010392/0986 | 15-Nov-1999 |
| 5964300201 | Nokia Telecommunications OY | 09/387,704 | 17-Aug-1999 | | | 012422/0198 | 02-Jan-2002 |
| 5986400003 | Nokia Telecommunications OY | 09/111,023 | 07-Jul-1998 | | | 9304/0793 | 07-Jul-1998 |
| 5986400004 | Nokia Telecommunications OY | 09/247,718 | 09-Feb-1999 | | | 9766/0614 | 09-Feb-1999 |
| 5986400005 | Nokia Telecommunications OY | 09/209,182 | 10-Dec-1998 | | | 9643/0041 | 10-Dec-1998 |
| 5986400006 | Nokia Telecommunications OY | 09/146,862 | 03-Sep-1998 | 6,490,287 | 03-Dec-2002 | 9444/0297 | 03-Sep-1998 |
| 5986400007 | Nokia Telecommunications OY | 09/159,005 | 23-Sep-1998 | | | 9480/0016 | 23-Sep-1998 |
| 5986400008 | Nokia Telecommunications OY | 09/170,378 | 13-Oct-1998 | 6,490,275 | 03-Dec-2002 | 9739/0745 | 04-Feb-1999 |
| 5986400009 | Nokia Telecommunications OY | 10/014,217 | 22-Oct-2001 | | | 010083/0780 | Unknown |
| 5986400010 | Nokia Telecommunications OY | 09/252,264 | 18-Feb-1999 | | | 9782/0438 | 18-Feb-1999 |
| 5986400014 | Nokia Telecommunications OY | 09/092,540 | 05-Jun-1998 | | | 9362/0734 | 04-Aug-1998 |
| 5986400016 | Nokia Telecommunications OY | 09/028,241 | 24-Feb-1998 | | | 9890/0220 | 05-Apr-1999 |
| 5986400019 | Nokia Telecommunications OY | 09/212,608 | 16-Dec-1998 | | | 9654/0327 | 16-Dec-1998 |
| 5986400020 | Nokia Telecommunications OY | 09/237,728 | 26-Jan-1999 | | | 009727/0653 | 26-Jan-1999 |
| 5986400021 | Nokia Telecommunications OY | 09/223,555 | 30-Dec-1998 | | | 9686/0018 | 30-Dec-1998 |
| 5986400022 | Nokia Telecommunications OY | 09/317,333 | 24-May-1999 | | | 010085/0873 | 12-Jul-1999 |
| 5986400084 | Nokia Telecommunications OY | 09/126,835 | 30-Jul-1998 | | | 943/0500 | 14-Sep-1998 |
| 5986400086 | Nokia Telecommunications OY | 09/209,183 | 10-Dec-1998 | | | 9642/0975 | 10-Dec-1998 |
| 5986400087 | Nokia Telecommunications OY | 09/137,276 | 20-Aug-1998 | | | Unknown | 08-Aug-1998 |
| 5986400090 | Nokia Telecommunications OY | 09/159,711 | 24-Sep-1998 | 6,505,044 | 07-Jan-2003 | 9635/0711 | 09-Dec-1998 |
| 5986400093 | Nokia Telecommunications OY | 09/287,321 | 07-Apr-1999 | | | 9891/0402 | 07-Apr-1999 |
| 5986400094 | Nokia Telecommunications OY | 09/161,789 | 28-Sep-1998 | | | 9469/0364 | 28-Sep-1998 |
| 6009100028 | Nokia Telecommunications OY | 09/319,349 | 04-Jun-1999 | | | 010076/0985 | 04-Jun-1999 |
| 6009100029 | Nokia Telecommunications OY | 09/331,520 | 22-Jun-1999 | 6,487,288 | 26-Nov-2002 | 010073/0396 | 02-Jul-1999 |
| 6009100031 | Nokia Telecommunications OY | 09/331,936 | 29-Jun-1999 | | | 010136/0258 | 29-Jun-1999 |
| 6009100032 | Nokia Telecommunications OY | 09/355,159 | 31-Aug-1999 | | | 010209/0186 | 03-Sep-1999 |



| | | | | | | | |
|------------|-----------------------------|------------|-------------|-------------|-----------|-------------|-------------|
| 6009100033 | Nokia Telecommunications OY | 09/341,736 | 15-Jul-1999 | | | Unknown | 19-Aug-1999 |
| 6009100034 | Nokia Telecommunications OY | 09/355,145 | 26-Aug-1999 | 19-Nov-2002 | 6,484,031 | 010201/0380 | 30-Aug-1999 |
| 6009100036 | Nokia Telecommunications OY | 09/367,830 | 08-Oct-1999 | | | 011036/0089 | 11-Aug-2000 |
| 6009100037 | Nokia Telecommunications OY | 09/367,921 | 22-Oct-1999 | | | 010812/0964 | 16-May-2000 |
| 6009100039 | Nokia Telecommunications OY | 09/407,568 | 28-Sep-1999 | | | 011092/0575 | 08-Nov-2000 |
| 6009100041 | Nokia Telecommunications OY | 09/416,091 | 12-Oct-1999 | | | 013024/0659 | 24-Jun-2002 |
| 6009100042 | Nokia Telecommunications OY | 09/440,680 | 12-Nov-1999 | 12-Nov-2002 | 6,480,716 | 010392/0823 | 12-Nov-1999 |
| 6009100048 | Nokia Telecommunications OY | 09/469,853 | 22-Dec-1999 | | | 010508/0031 | 22-Dec-1999 |
| 6009100052 | Nokia Telecommunications OY | 09/101,569 | 14-Oct-1998 | 12-Nov-2002 | 6,480,485 | 9544/0741 | 19-Oct-1998 |
| 6009100053 | Nokia Telecommunications OY | 09/970,551 | 03-Oct-2001 | | | 9517/0167 | Unknown |
| 6009100054 | Nokia Telecommunications OY | 09/101,526 | 29-Sep-1998 | 17-Dec-2002 | 6,496,532 | 9786/0303 | 26-Feb-1999 |
| 6009100056 | Nokia Telecommunications OY | 09/029,513 | 27-Feb-1998 | | | 9848/0731 | 27-Feb-1998 |
| 6009100057 | Nokia Telecommunications OY | 09/125,101 | 06-Oct-1998 | 05-Nov-2002 | 6,477,384 | 9524/0641 | 06-Oct-1998 |
| 6009100058 | Nokia Telecommunications OY | 09/194,297 | 23-Nov-1998 | | | 9767/0552 | 16-Feb-1999 |
| 6009100059 | Nokia Telecommunications OY | 09/171,683 | 22-Oct-1998 | 29-Oct-2002 | 6,473,473 | 9839/0911 | 22-Oct-1998 |
| 6009100060 | Nokia Telecommunications OY | 09/171,968 | 29-Oct-1998 | | | 9729/0136 | 29-Oct-1998 |
| 6009100061 | Nokia Telecommunications OY | 09/230,962 | 04-Feb-1999 | | | 9819/0992 | 16-Mar-1999 |
| 6009100062 | Nokia Telecommunications OY | 09/230,504 | 26-Jan-1999 | | | 009969/0277 | 26-Jan-1999 |
| 6009100063 | Nokia Telecommunications OY | 09/242,361 | 16-Feb-1999 | | | 010387/0418 | 16-Feb-1999 |
| 6009100064 | Nokia Telecommunications OY | 09/254,512 | 09-Mar-1999 | 19-Nov-2002 | 6,483,830 | 010019/0491 | 09-Apr-1999 |
| 6009100065 | Nokia Telecommunications OY | 09/269,484 | 29-Mar-1999 | | | Unknown | 06-Aug-1999 |
| 6009100066 | Nokia Telecommunications OY | 09/319,516 | 21-Jul-1999 | 15-Oct-2002 | 6,466,786 | 010054/0935 | 25-Jun-1999 |
| 6009100067 | Nokia Telecommunications OY | 09/319,181 | 02-Jun-1999 | 15-Oct-2002 | 6,466,552 | 010079/0986 | 02-Jun-1999 |
| 6009100068 | Nokia Telecommunications OY | 09/308,110 | 13-May-1999 | | | 010036/0694 | 13-May-1999 |
| 6009100069 | Nokia Telecommunications OY | 09/284,212 | 08-Apr-1999 | | | 9921/0118 | 26-Apr-1999 |
| 6009100070 | Nokia Telecommunications OY | 09/269,629 | 30-Mar-1999 | 29-Oct-2002 | 6,473,611 | 9921/0018 | 26-Apr-1999 |
| 6009100091 | Nokia Telecommunications OY | 09/319,195 | 29-Jun-1999 | | | 010067/0994 | 02-Jul-1999 |
| 6009100104 | Nokia Telecommunications OY | 09/194,747 | 02-Dec-1998 | | | 010006/0170 | 02-Dec-1998 |
| 6009100105 | Nokia Telecommunications OY | 09/230,496 | 26-Jan-1999 | | | 009967/0932 | 26-Jan-1999 |
| 6009100108 | Nokia Telecommunications OY | 09/331,449 | 08-Jul-1999 | | | 010082/0127 | 09-Jul-1999 |
| 6009100118 | Nokia Telecommunications OY | 09/117,700 | 07-Oct-1998 | 02-Apr-2002 | 6,366,602 | 9524/0854 | 07-Oct-1998 |
| 6009100119 | Nokia Telecommunications OY | 09/125,133 | 07-Oct-1998 | | | 9502/0722 | 07-Oct-1998 |
| 6009100120 | Nokia Telecommunications OY | 09/254,816 | 15-Mar-1999 | | | 9928/0431 | 03-May-1999 |
| 6009100121 | Nokia Telecommunications OY | 09/269,942 | 08-Apr-1999 | | | 9933/0977 | 03-Apr-1999 |
| 6009100122 | Nokia Telecommunications OY | 09/331,802 | 25-Jun-1999 | | | 010130/0918 | 25-Jun-1999 |

| | | | | | | | |
|------------|-----------------------------|------------|-------------|--|--|--------------|-------------|
| 6009100123 | Nokia Telecommunications OY | 09/341,164 | 02-Jul-1999 | | | 010134/0579 | 02-Jul-1999 |
| 6009100124 | Nokia Telecommunications OY | 09/974,325 | 09-Oct-2001 | | | 011092/0575 | 08-Nov-2000 |
| 6009100142 | Nokia Telecommunications OY | 09/142,347 | 08-Sep-1998 | | | 9541/0482 | 08-Sep-1998 |
| 6009100143 | Nokia Telecommunications OY | 09/308,943 | 24-Jun-1999 | | | 010053/0297 | 28-Jun-1999 |
| 6009100144 | Nokia Telecommunications OY | 09/331,994 | 26-Jul-1999 | | | 0101028/0773 | 29-Jul-1999 |
| 6009100147 | Nokia Telecommunications OY | 09/341,549 | 13-Jul-1999 | | | 011192/0037 | 20-Oct-2000 |
| 6009100159 | Nokia Telecommunications OY | 09/051,944 | 25-Jun-1998 | | | 9282/0501 | 29-Jun-1998 |
| 6053900002 | Nokia Telecommunications OY | 09/331,218 | 30-Jul-1999 | | | 010138/0069 | 30-Jul-1999 |
| 6053900003 | Nokia Telecommunications OY | 09/367,147 | 30-Nov-1999 | | | 010441/0891 | 10-Dec-1999 |